

ANALYTICAL REPORT

Job Number: 580-9616-1

Job Description: Alaskan Copper

For:

Clean Harbors Environmental Services Inc
19320 Des Moines Memorial Dr
Bldg D, Suite 400
Seatac, WA 98148

Attention: Scott St. John

*Burning
Tables
SEATTLE*

H. Curbow

Heather Curbow
Project Manager I
heather.curbow@testamericainc.com
04/25/2008

cc: Jason Sullivan

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

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METHOD SUMMARY

Client: Clean Harbors Environmental Services Inc

Job Number: 580-9616-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL TAC	SW846 6010B	
Toxicity Characteristic Leaching Procedure	TAL TAC		SW846 1311
Acid Digestion of Aqueous Samples and Extracts for	TAL TAC		SW846 3010A

Lab References:

TAL TAC = TestAmerica Tacoma

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Clean Harbors Environmental Services Inc

Job Number: 580-9616-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-9616-1	POST TREAT-01	Solid	04/15/2008 0000	04/15/2008 1200

Analytical Data

Client: Clean Harbors Environmental Services Inc

Job Number: 580-9616-1

Client Sample ID: POST TREAT-01

Lab Sample ID: 580-9616-1

Client Matrix: Solid

Date Sampled: 04/15/2008 0000

Date Received: 04/15/2008 1200

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method: 6010B

Analysis Batch: 580-30613

Instrument ID: SEA027

Preparation: 3010A

Prep Batch: 580-30572

Lab File ID: N/A

Dilution: 1.0

Leachate Batch: 580-30565

Initial Weight/Volume: 50.0 mL

Date Analyzed: 04/24/2008 1653

Final Weight/Volume: 50.0 mL

Date Prepared: 04/24/2008 0930

Date Leached: 04/23/2008 1148

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Chromium		0.040		0.025

Quality Control Results

Client: Clean Harbors Environmental Services Inc

Job Number: 580-9616-1

Method Blank - Batch: 580-30572

Method: 6010B
Preparation: 3010A

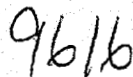
Lab Sample ID: MB 580-30572/9-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/24/2008 1559
Date Prepared: 04/24/2008 0930

Analysis Batch: 580-30613
Prep Batch: 580-30572
Units: mg/L

Instrument ID: SEA027
Lab File ID: N/A
Initial Weight/Volume: 50.0 mL
Final Weight/Volume: 50.0 mL

Analyte	Result	Qual	RL
Chromium	ND		0.025

Calculations are performed before rounding to avoid round-off errors in calculated results.



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Login Sample Receipt Check List

Client: Clean Harbors Environmental Services Inc

Job Number: 580-9616-1

Login Number: 9616
Creator: Presley, Kim
List Number: 1

List Source: TestAmerica Tacoma

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Sample in process of cooling upon receipt at lab
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	